

data.ny.gov Quarterly Report January 2015

Quarterly Report Summary

- Data on the Open NY Platform is available across ten categories, offering a record high of 1,036 data catalog items.
- The number of data catalog items has increased more than fourfold since launch on March 11,
 2013, increasing 325%.
- The State's data.ny.gov website has been accessed in over 180 countries and territories, all 50
 States and Washington D.C., and over 9,000 cities worldwide including over 6,500 U.S. cities.
- The number of participating agencies in the State's Open Data initiative has increased 69% since launch.
- The State has expanded the number of open data records on the Open Data platform to more than 88 million since launch.

Continuing Remarkable Growth

Thanks to outstanding efforts across government agencies, the number of data catalog items on the Open NY platform has expanded more than fourfold, increasing 325% since the launch of data.ny.gov (see Figure 1). By proactively releasing data, NYS is enhancing transparency as well as public awareness and accessibility to data. Data.ny.gov has created extraordinary opportunity to explore, discover, and utilize data in ways never before possible.

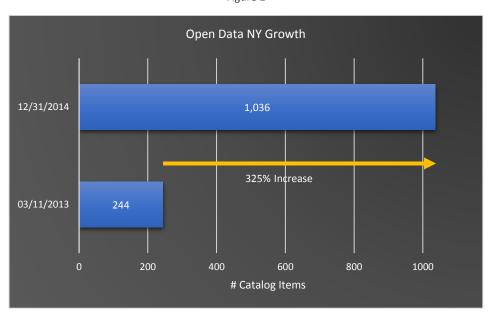


Figure 1

Open NY News

International Recognition for Open NY

For the third consecutive quarter, data.ny.gov has been recognized as a leader in the Open Data sector. Following national recognition in the last several months, New York State's *Quality by Design* Open Data portal received international recognition this past fall.

In November 2014, data.ny.gov was a finalist for the <u>UK Open Data Institute (ODI) Data</u>

<u>Publisher Award</u> - celebrating high publishing standards and use of challenging data. The UK

ODI sought nominations from around the world for pioneers and champions inspiring the use of open data.

Open NY in Action

- App Challenges
- ♣ NYS Health Innovation Challenge

The NYS Health Innovation Challenge set out to create technology-driven solutions that enable consumers, employers, public health experts, communities, and purchasers to explore quality, charges, and cost data for medical procedures provided by NYS inpatient hospital facilities. Teams were given four months to use data from Health Data NY, OPEN NY, and other open data sites to create their solution.

The first place winner was DocSpot. DocSpot believes that "right" care can mean very different things to each person and that doctors are as multidimensional as their patients from a quality, efficiency and cost perspective. With that in mind, they developed a variety of innovative ways for users to search, filter, and select providers that fit their own unique requirements. The doctor's hospital affiliation is also available to facilitate the comparison of services. DocSpot offers information that allows each user to quickly find the providers that fit his or her individual needs.

♣ AT&T Civic App Challenges in Central & West New York

In conjunction with HackUpstate, AT&T concluded both the Central New York and Western New York App Challenges in mid-November 2014. A total of \$36,000 in prizes was awarded to seven winners, selected from 46 individuals and teams that submitted applications. Each challenge was a two-month virtual hackathon for Western and Central New York's most talented computer scientists, software developers and hardware engineers to build products with the potential to benefit the local community. We are proud to note that a number of competitors leveraged Open NY to build their mobile apps and websites. Some of them are listed below:

• New York Transportation Projects is a smartphone app that highlights construction projects around the state, based upon Department of Transportation data.

- New York Thruway Guide (a 2nd-place winner) is a smartphone app which provides helpful information to Thruway travelers, including alerts, traffic camera feeds, rest area details, food & services near exits, and more.
- HealthyPaths used health data to help people make informed choices when selecting a hospital.
- <u>WNY Family Connection</u> (a grand prize winner) provides access to information and community reviews about schools, childcare facilities, recreation services, and more.

₩ MTA AppQuest 3.0 - Submissions are due by February 3, 2015

The Metropolitan Transportation Authority, whose riders take 2.69 billion trips each year, launched its third AppQuest challenge. This year, the MTA is offering \$50,000 total in prizes, encouraging participants to focus on apps which enable and analyze rider feedback, provide real-time maps of transit routes, multi-mode trip planning, and using wireless beacons to aid with in-station navigation.

In support of the AppQuest challenge, the MTA held a <u>Developer Day event</u> on Saturday November 24, 2014. Three teams were each awarded \$500 prizes. The project concepts included in-station way-finding and data-driven evaluations of subway lines.

More details on the competition, including rules and how to enter, are available at the AppQuest Challenge website (http://2014mtaappquest.challengepost.com/).

Innovation and Citizen Engagement

Launch of the New NY.gov





In early November, a fresh redesign of the New York State website was launched. NY.gov now offers a service-oriented view of government, helping New Yorkers find what they need quickly and easily. The new homepage includes local information "cards," with content from data.ny.gov and other web services. These cards provide relevant information such as nearby DMV office locations & hours, job fairs & employment opportunities, elected officials, recreational resources, and more.

The first comprehensive website redesign in 15 years makes services and information more accessible, efficient and user-centric to residents, visitors, and businesses. The new NY.gov puts information and resources at the fingertips of New Yorkers as never before, reflecting Governor Cuomo's commitment to service, transparency and efficiency.

Visualizing Open Data

Data is Accessible Across a Wide Range of Categories and Agencies

Visualizing data can be a powerful and effective tool to maximize understanding. In addition to tabular data, numerous data visualizations are represented on the open data portal including maps, charts, and filtered views enhancing the public's experience.

To illustrate, figures 2 and 3 depict data catalog items by category (Figure 2), and catalog items by category and type of dataset (Figure 3).

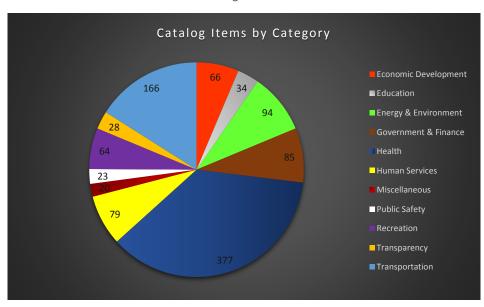
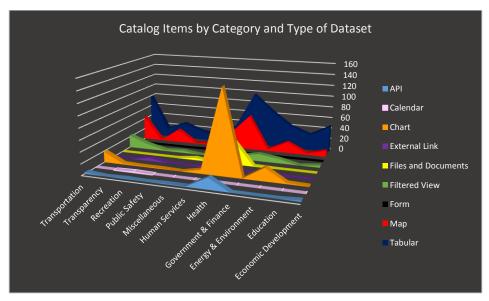


Figure 2





Visualizing Raw Data

As has been illustrated in each of the previous quarterly reports, visualizations can render complex data into vivid images which, when combined with associated metadata and documentation, are even more dynamic. They can maximize understanding of data; tell compelling stories; identify trends; help distill information; and transform raw data into actionable insight.

Open NY enables unprecedented visualizations, from mapping the longest continuously active liquor licenses in New York City, to trending gasoline prices of the last seven years, to displaying sidewalks and curb ramps along NYS DOT owned roadways, visualizations add another dimension to the understanding of data.

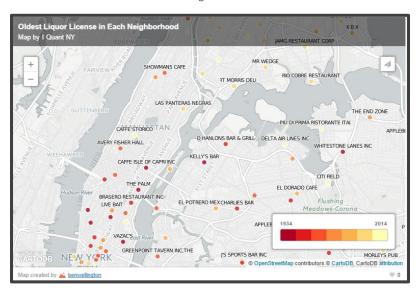
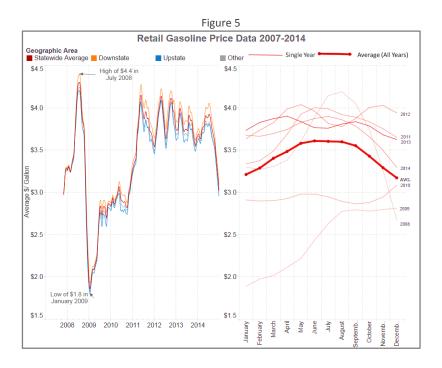


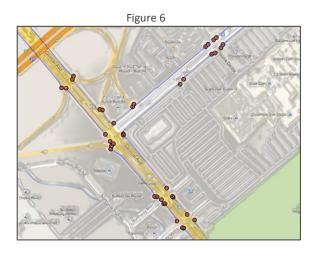
Figure 4

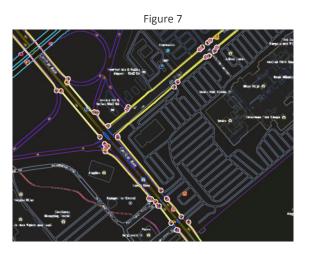
Using data that was gathered on a weekly basis from 2007-2014, trends in retail gas prices become apparent. In the last seven years, the highest New York State average retail gas prices occurred in July 2008, quickly followed by a drop to the lowest average price of \$1.88 per gallon in January 2009. The visualization below (figure 5) was created using the data from the NYS Energy Research and Development Authority (NYSERDA) Energy dataset: Gasoline Retail Prices Weekly Average by Region: Beginning 2007. Figure 5 highlights variations by region, with all regions following the same general trend. Additionally, even though seasonal price trends vary by year, on an average basis over the

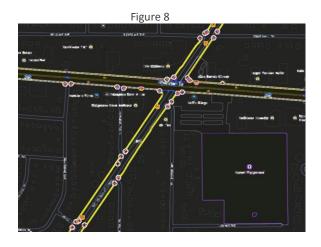
previous seven years they have been higher in the summer, and lower in the winter.

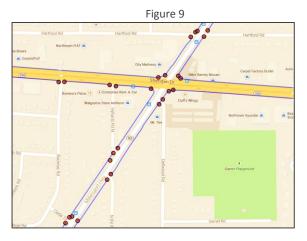


Geospatial data extracted from the NYS Department of Transportation Sidewalks and Curb Ramps dataset provides users with current location assessments of sidewalks and ramps along NYSDOT owned roadway systems in a geospatial mapping format. Transportation planners, designers, community groups or others can use this data for numerous purposes such as identifying and planning pedestrian routes, assessing possible alternative accommodations, evaluating changing demographics and community character. Figures 6 and 7 display a section in Albany County near Central Avenue and Wolf Road with associated sidewalks and ramps. Figures 8 and 9 display a section in Erie County near Millersport Highway, and Ivyhurst Road and Sheridan Drive.





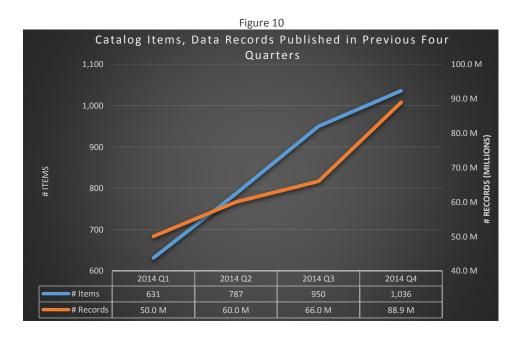




Ongoing and Continuous Expansion

As highlighted in the New York State Open Data Handbook, open data is a major achievement in improving the way New York State government agencies share information to promote efficiency, accessibility and transparency. It is a strategic approach to making data easier to find, access, analyze, and utilize. It is advancing a new enterprise-wide understanding of data requiring, at a minimum: metadata, data dictionaries, and overview documents to accompany each dataset. This documentation maximizes the public's understanding and reuse of the data.

New York State's open data initiative is an ongoing and continuing effort. The numbers reflect the dramatic progress that has been made to date (see Figure 10 displaying cumulative totals for the previous four quarters). Every quarter, data.ny.gov continues to expand the number of records and the number of data catalog items across multiple sectors and agencies. Data.ny.gov is a dynamic, living platform, where the breadth and depth of data and agency participation are continually being enhanced and expanded.



Appendix A: Published Entities (as of 12/31/2014)

Aging, Office for

Agriculture and Markets, Department of

Albany, City of

Alcoholic Beverage Control, Division of

(State Liquor Authority)

Alcoholism and Substance Abuse Services,

Office of

Authorities Budget Office

Battery Park City Authority

Bridge Authority, New York State

Broome County

Budget, Division of

Canal Corporation

Capital District Transit Authority

Children and Families, Council on

Children and Family Services, Office of

City University of New York

Commission on Judicial Conduct, New York

State

Corrections and Community Supervision,

Department of

Council on the Arts, New York State

Court Administration, Office of

Criminal Justice Services, Division of

Developmental Disabilities Planning Council

Dormitory Authority

Elections, Board of

Empire State Development

Energy Research and Development

Authority

Environmental Conservation, Department of

Essex County

Financial Services, Department of

Gaming Commission, New York State

General Services, Office of

Health, Department of

Higher Education Services Corporation

Homeland Security and Emergency Services,

Division of

Homes and Community Renewal

Hudson River Valley Greenway

Information Technology Services, Office of

Inspector General, Office of

Joint Commission on Public Ethics

Labor, Department of

Mental Health, Office of

Metropolitan Transportation Authority

Motor Vehicles, Department of

Oneida County

Onondaga County

Parks, Recreation and Historic Preservation,

Office of

People with Developmental Disabilities,

Office for

Port Authority of New York and New Jersey

Power Authority

Public Service, Department of

Rochester-Genesee Regional Transportation

Authority

State University Construction Fund

State University of New York

State, Department of

Suffolk County

Taxation and Finance, Department of

Temporary and Disability Assistance, Office

of

Thruway Authority

Transportation, Department of

Victim Services, Office of

Workers' Compensation Board

Appendix B: Published Catalog Items: October – December 2014

In the fourth quarter of 2014, State agencies collectively added 86 new data catalog items to the site. The flow of information within and outside government is facilitating new dialogues, and providing a deeper understanding of data and its value as a strategic asset. The proactive release of publishable data is dynamically creating concentrations of data and communities of interest.

In furtherance of Quality by Design, and per the guidelines of the Open Data Handbook, agencies engage in an internal process to identify potential datasets eligible for public release. Prior to, and up through publication of any dataset, a comprehensive analysis is undertaken by each agency to review data content, quality, and accuracy of such dataset (as well as an assessment of the metadata, overview documents, and data dictionaries). Such review and internal approval is critical to assuring quality of potential publishable data, as well as compliance with all security, privacy, confidentiality laws, rules, and regulations. Once such reviews are complete, if the data is assessed as publishable, it is published to data.ny.gov.

New Q4 2014 Data Catalog Items

Active Sporting License Issuing Agents

Active Sporting License Issuing Agents Map

Adult Care Facility Annual Bed Census Data: 2012

Adult Tobacco Survey: Beginning 2003

Agricultural Districts Acreage Totals by County

All Payer Inpatient Quality Indicators (IQI) by Hospital (SPARCS):

Beginning 2009

All Payer Inpatient Quality Indicators (IQI) Composite Measures by Hospital (SPARCS):

Beginning 2009

All Payer Inpatient Quality Indicators (IQI) Volume Measures by Hospital (SPARCS):

Beginning 2009

All Payer Patient Safety Indicators (PSI) Area Measures by Patient County: Beginning 2009

All Payer Patient Safety Indicators (PSI) by Hospital: Beginning 2009

All Payer Patient Safety Indicators (PSI) Composite Measures by Hospital: Beginning 2009

All Payer Patient Safety Indicators (PSI) Volume Measures by Hospital: Beginning 2009

Annual Population Estimates for New York State and Counties: Beginning 1970

Annual Total Youth Admissions and Discharges by Children and Family Services Chart

Breeding Bird Atlas, First Edition, 1980-1985

Breeding Bird Atlas, Second Edition, 2000-2005

Breeding Bird Atlases

Care At Home Waiver Services Provider Agencies Map

Centerline Rumble Strips (CARDS) Installations: Beginning 2012

Centerline Rumble Strips Mileage Totals by County Chart

Childhood Blood Lead Testing and Incidence of Blood Lead Levels of 10 mcg/dL or Greater by Zip

Code: Beginning 2003

Community Habilitation Service Provider Agencies Map

Consolidated Supports And Services Provider Agencies Map

County Agricultural Districts Profile

County Mental Health Profiles: Beginning 2006

Day Habilitation Service Provider Agencies Map

Day Training Service Provider Agencies Map

Day Treatment Service Provider Agencies Map

Design & Construction Capital Projects Vendor Payments: Beginning 2014
Design & Construction Total Vendor Payments by Quarter: Beginning 2014
Developmental Centers And Special Population Services Provider Agencies Map

Diesel Retail Price Weekly Average by Region: Beginning 2007 Directory of Developmental Disabilities Service Provider Agencies

Family Care Service Provider Agencies Map Family Support Services Provider Agencies Map

Gasoline Retail Prices Weekly Average by Region: Beginning 2007

HAI: Central Line-Associated Blood Stream Infection Overall Standardized Infection Ratio Map

HAI: Clostridium Difficile Infection (CDI) Hospital Onset Infection Rate Map: 2013 HAI: Surgical Site Infection (SSI) Overall Standardized Infection Ratio Map: 2013 Hospital Inpatient Discharges (SPARCS De-Identified) Downloadable File: 2013

Hospital Inpatient Discharges (SPARCS De-Identified): 2013 Hudson River Estuary Grants Program Awards: Beginning 1999 Individual Residential Alternative Service Provider Agencies Map

Individual Support Services Provider Agencies Map

Inmates Under Custody: Beginning 2008

Intermediate Care Facility Service Provider Agencies Map Local Government Efficiency Program Grants: Beginning 2005

Long-term Industry Projections

Mined Land Permits Facility Map: Beginning 1974

Mined Land Permits: Beginning 1974

Neighborhood and Rural Preservation Companies Directory Neighborhood and Rural Preservation Companies Map

OASAS Medicaid Trend Detailed Recipient Summary Profile: Current 3 Year Window OASAS Medicaid Trend Recipient Summary Profile: Beginning State Fiscal Year 2003

Parole Board Decisions for Initial Interviews by Crime Type: Beginning 2008

Parolees Under Community Supervision: Beginning 2008

Points of Interest on Department of Environmental Conservation Lands Points of Interest on Department of Environmental Conservation Lands Map

Prevocational Service Provider Agencies Map

Prison Admissions: Beginning 2008

Recidivism: Beginning 2008

Salary Information for Industrial Development Agencies

Salary Information for Local Authorities

Salary Information for Local Development Corporations

Salary Information for State Authorities

School Immunization Survey Map (Excluding NYC Public Schools): 2013 -2014 School Year

School Immunization Survey: Beginning 2012-13 School Year

Senior/Geriatric Services Provider Agencies Map

Short-term Industry Projections

Sidewalks and Curb Ramps on the New York State-Owned Highway System

Solar Photovoltaic (PV) Incentive Program Completed Projects by City and Contractor Map: Beginning 2010

Solar Photovoltaic (PV) Incentive Program Completed Projects by City and Contractor: Beginning 2010

Supported Employment Service Provider Agencies Map

Taxable Sales And Purchases Quarterly Data: Beginning Sales Tax Year 2013-2014

Traffic Control Device Inventory
Traffic Tickets Issued: Beginning 2008

Transportation Fuels Inventory: Beginning 2004

Transportation Fuels Production and Demand: Beginning 1993

Transportation Fuels Spot Prices: Beginning 2006 Victim Assistance Program (VAP) Business Offices

Vital Statistics Live Birth by Birth Weight and Resident County: Beginning 2008

Vital Statistics Live Births by Birth Weight Trend Chart: Beginning 2008

Waterbody Inventory & Priority Waterbodies Work Shop Service Provider Agencies Map

Youth Admission and Discharge Demographics: Beginning 2003